Krutik Mehta

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Experience

With 1 year of experience in a startup environment and an IIT graduate, I am a software engineer skilled in **FullStack** development, **Java**, **GraphQL**, **MySQl**, and **AWS Services** and have experience in building end-to-end mobile/web application.

Education

Indian Institute of Technology, Hyderabad   July, 2018 – May, 2022
B.Tech in Electrical Engineering, Minor in Computer Science   *CGPA: 8.94/10*

St.Ann's School, Ahmedabad   April, 2016 – March, 2018
12th Class   *Percentage: 92.6/100*

Experience

Newzera   June, 2022 – present
Software Engineer

- **News Feed** : Built the Newzera Apps main news-feed's Frontend using **React Native** + Backend using **Node** and **graphql**. Optimized feed performance to enhance the user experience and increase engagement.
- **Adaptive Streaming** : Created the **AWS media convert** job service using **AWS lambda functions** and **Node.js** for adaptive streaming of UGC as well as CMS videos.
- **Native Video Feed** : Took responsibility to develop a custom native video scroll-list for Android (**Exoplayer**) in **Java** and Ios (**AVPlayer**) in **Swift** for the Newzera App. Intergrated the same to be used as a react native component leading to resource usage enhancement of over 40%.
- **Hindi Language Integration** : Contributed to the overall re-vamp of the app to integrate Hindi language.
- **QA** : Resolved 150+ critical to minor functional and UI/UX issues in the mobile App.
- **Interviews** : Conducted 60+ interviews for software engineering roles at the company.

Oracle   May, 2021 – July, 2021
Software Engineer Intern

- Worked in the security domain for the identity and access management team.
- Created an integration using **Java** for the Oracle identity cloud service (IDCS) for User, Group, and Membership sync across Oracle IDCS stripes.

Projects

HTTP/1.1 server ⌨ | *c++, Linux, Networking*

- Implemented a robust HTTP/1.1 compliant server using only linux system APIs.
- Supports concurrent connections with the help of multithreading and thread pooling.

RDT over UDP ⌨ | *Python, Networking, TCP*

- Extended UDP to provide reliable data transfer over realistic delays and packet loss conditions.
- Achieved throughput up to 6x compared to conventional TCP.
- Implemented features like packet loss detection, packet retransmission, network congestion control.

Live Projects

7k-rpm.com | *React, Graphql, Node, Mysql, AWS*

- Developed and hosted a website aggregating automotive articles from top sources using **React** for the frontend and **Node.js**, **GraphQL**, and **MySQL** for the backend.
- Integrated RSS feeds from publishers to automate content updates and ensure the website always displays the latest articles.

Technical Skills

Languages:	C++, Java, Python, JavaScript
Frameworks:	Node, React, React Native, Graphql, AWS, Android
Databases:	MySQL, MongoDB